

Amendments to Claims

- 1-24. (cancelled)
25. (new) An isolated polynucleotide comprising:
 - (a) a nucleotide sequence encoding a polypeptide having methylenetetrahydrofolate dehydrogenase activity, wherein the polypeptide has an amino acid sequence of at least 90% sequence identity, based on the Clustal method of alignment with pairwise alignment default parameters of KTUPLE=1, GAP PENALTY=3, WINDOW=5 and DIAGONALS SAVED=5, when compared to SEQ ID NO:18, or
 - (b) a complement of the nucleotide sequence of (a), wherein the complement and the nucleotide sequence consist of the same number of nucleotides and are 100% complementary.
26. (new) The polynucleotide of Claim 25, wherein the amino acid sequence of the polypeptide has at least 95% sequence identity, based on the Clustal method of alignment with the pairwise alignment default parameters, when compared to SEQ ID NO:18.
27. (new) The polynucleotide of Claim 25, wherein the amino acid sequence of the polypeptide comprises SEQ ID NO:18.
28. (new) The polynucleotide of Claim 25 wherein the nucleotide sequence comprises SEQ ID NO:17.
29. (new) A vector comprising the polynucleotide of Claim 25.
30. (new) A recombinant DNA construct comprising the polynucleotide of Claim 25 operably linked to at least one regulatory sequence.
31. (new) A method for transforming a cell, comprising transforming a cell with the polynucleotide of Claim 25.
32. (new) A cell comprising the recombinant DNA construct of Claim 30.
33. (new) A plant comprising the recombinant DNA construct of Claim 30.
34. (new) A seed comprising the recombinant DNA construct of Claim 30.